

1                   ABSTRACT OF THE DISCLOSURE  
2

3                 Methods for broadband multimedia telecommunication include  
4                 broadcasting a large selection of video streams via fiber optic to  
5                 local switches which are coupled to customers by POTS lines and  
6                 providing video streams, high QOS voice and VDSL data service from  
7                 the local switch to customer premises. Signals from customer  
8                 premises equipment communicate to the local switch to select up to  
9                 four simultaneous video streams (out of hundreds available).

10          According to the presently preferred embodiment, video, data, and  
11         digital voice service are provided via ATM cells to the local  
12         switch where they are multiplexed with lifeline POTS service and  
13         transmitted to the customer premises via ATM cells. Multicast  
14         video streams are duplicated at the point in the switch closest to  
15         the customer.